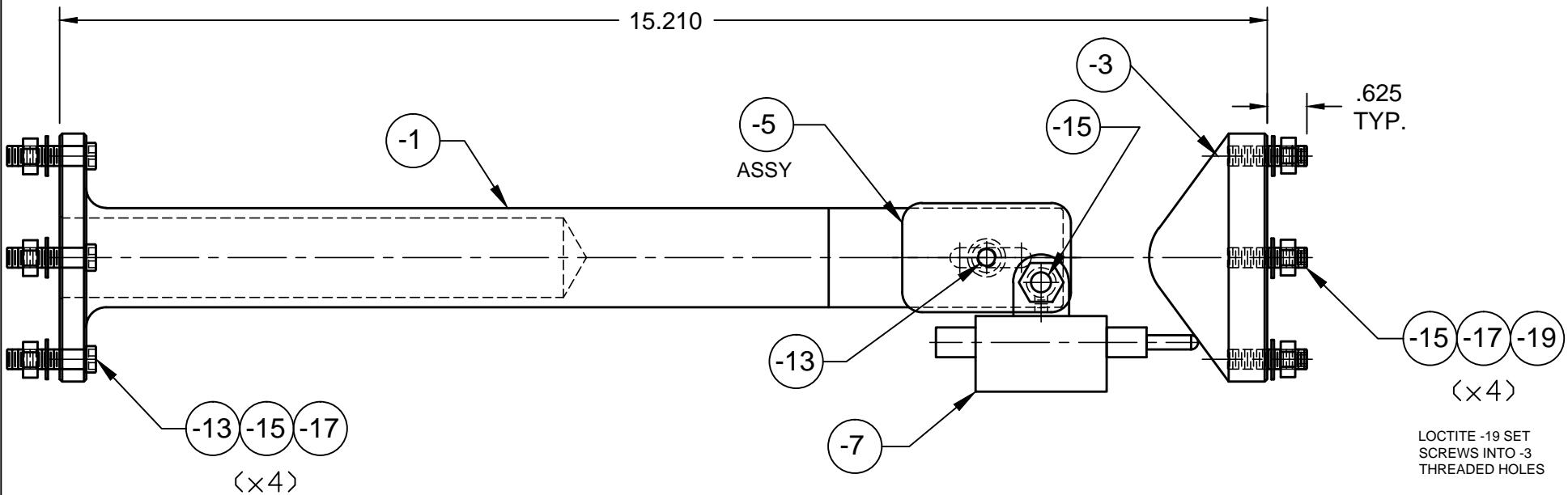
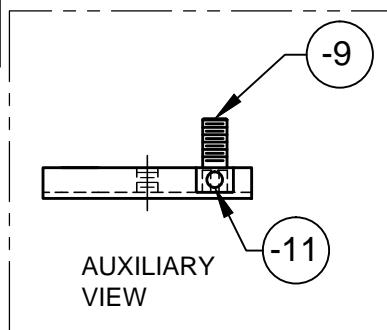


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REV		DESCRIPTION		DATE	INITIAL	APPROVED
1		CH'D -3 HOLES FROM THRU W/C-BORE, & USE SET SCREWS INSTEAD OF BOLTS.		9/26/06	-	-
2		CH'D TITLEBLOCK & REVISION BLOCK, CH'D LIMIT DIM. FROM Ø1.250/1.249 & ADDED S.F. -5, ADDED CONCENTRIC CONTROL, LABELED P/N -1 SECTION.		7/10/09	RJC	RW
3		CH'D -3 1/4-28 DEPTH FROM .50 TO .375 MAX. PER G.E.		11/11/11	RJC	RW



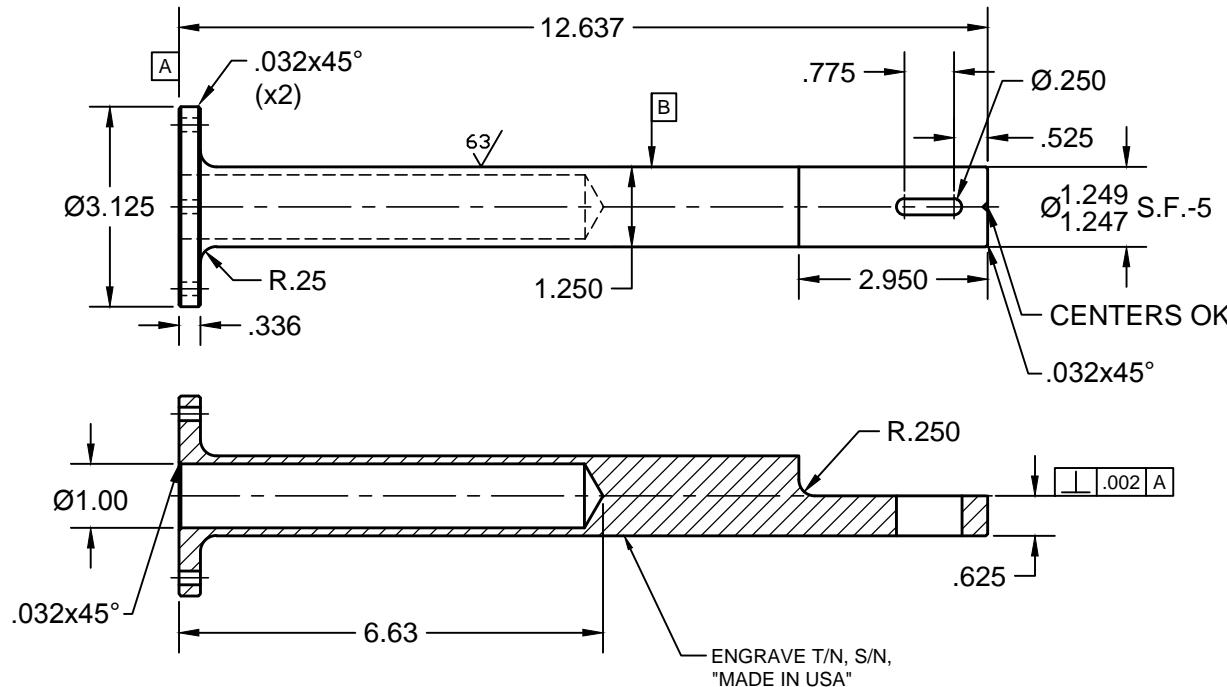
ASSEMBLY

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	INDICATOR EXTENSION ROD	6061	Ø3-1/8 x 12-3/4	2
			-3	1	TESTING CONE	6061	Ø3-1/8 x 1-1/2	3
			-5	1	INDICATOR SLIDE	1018 FLAT BAR	1-1/2 x 2-1/8 x 3/8	4
		B/O	-7	1	DIAL INDICATOR	-	MITUTOYO #1411F .250 RANGE & .001 GRAD.	NS
		B/O	-9	1	S.H. CAP SCREW	-	Ø1/4-28 x 1/2 BLK.	1
		B/O	-11	1	S.H. SET SCREW	-	#10-32 x 1/4	1
		B/O	-13	5	S.H. CAP SCREW	-	Ø1/4-28 x 1 BLK.	1
		B/O	-15	9	PLATED NUTS	-	Ø1/4-28 AN345-428	1
		B/O	-17	9	PLATED WASHERS	-	Ø1/4 AN960-416	1
		B/O	-19	4	S.H. SET SCREWS	-	Ø1/4-28 x 1 BLK.	1
		B/O		1	PISTOL CASE	-	10137	NS

RED BARN MACHINE	
TITLE	ENG. TO TRANS. ALIGN TOOL
DWG NO.	RBA5000-40101
REV	3
UNLESS OTHERWISE SPECIFIED	DRAWN BY: PERRITT
DIMENSIONS ARE IN INCHES	APPROVED D. Weil
DECIMALS	HEAT TREAT
XXX \pm .005	FINISH
XX \pm .01	ANGLES \pm .5°
X \pm .1	SPEC
UNLESS OTHERWISE SPECIFIED	
1. BREAK ALL SHARP EDGES	
.015 x 45° PR. .015 R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
USED ON MODEL	
MD 500	
SCALE	NTS
DATE	9-11-06
SHEET	1 of 4

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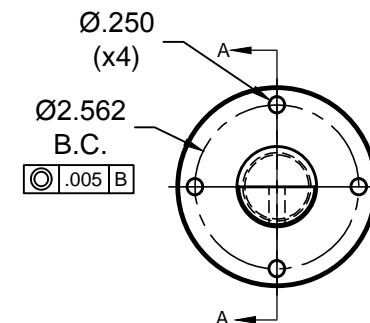
REV		DESCRIPTION		DATE	INITIAL	APPROVED
2		CH'D TITLEBLOCK & REVISION BLOCK, CH'D LIMIT DIM. FROM Ø1.250/1.249 & ADDED S.F. -5, ADDED CONCENTRIC CONTROL, LABELED P/N -1 SECTION.		7/10/09	RJC	RW



SECTION A-A

-1

ROD



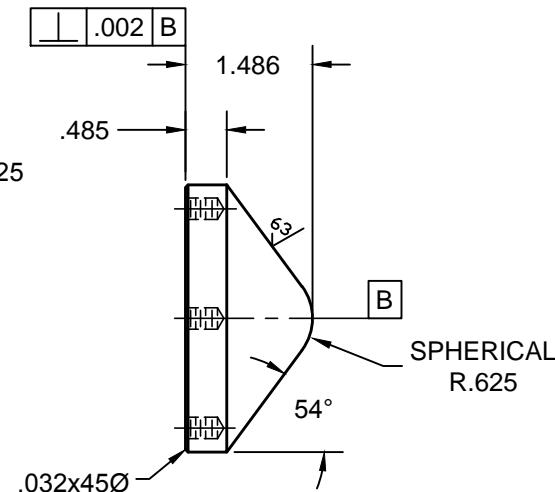
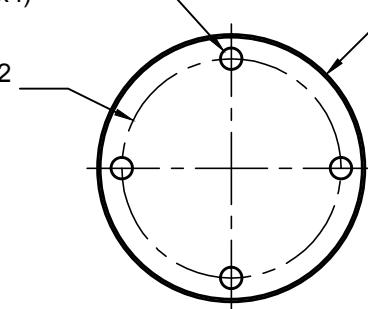
RED BARN MACHINE	
TITLE	ENG. TO TRANS. ALIGN TOOL
DWG NO.	RBA5000-40101-1
REV	3
UNLESS OTHERWISE SPECIFIED	DRAWN BY: PERRITT
DIMENSIONS ARE IN INCHES	APPROVED: <i>D. Weil</i>
TOLERANCES ON:	HEAT TREAT
DECIMALS	FINISH: CLEAR ANODIZE
XXX \pm .005	SPEC: MIL-A-8625F, TYPE II, CLASS I
XX \pm .01	USED ON MODEL
X \pm .1	MD 500
UNLESS OTHERWISE SPECIFIED	SCALE: NTS
1. BREAK ALL SHARP EDGES	DATE: 9-11-06
.015 x 45° PR. .015 R	SHEET: 2 of 4
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	

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REVISONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED
1	CH'D -3 HOLES FROM THRU W/C-BORE, & USE SET SCREWS INSTEAD OF BOLTS.	9/26/06	
3	CH'D -3 1/4-28 DEPTH FROM .50 TO .375 MAX. PER G.E	11/11/11	RJC RW

D&T Ø1/4-28
DEPTH .375 MAX.
(x4)

Ø2.562
B.C.



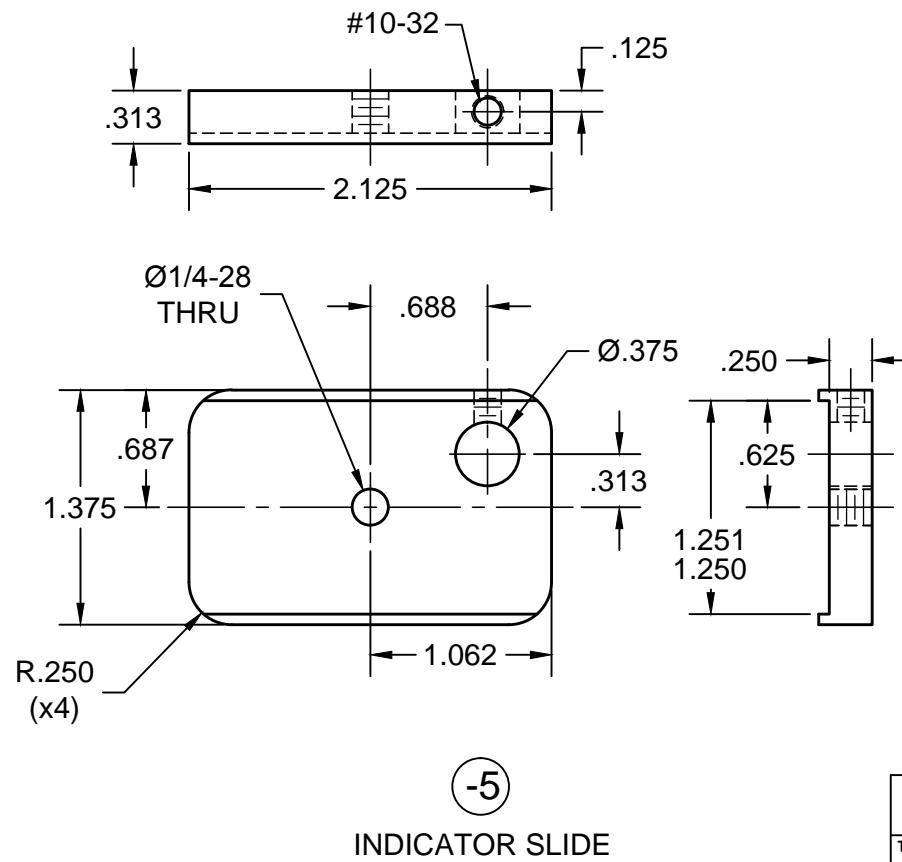
(-3)

TESTING CONE

RB RED BARN MACHINE	
TITLE	
ENG. TO TRANS. ALIGN TOOL	
DWG NO. RBA5000-40101-3 REV 3	
UNLESS OTHERWISE SPECIFIED DRAWN BY: PERRITT	
DIMENSIONS ARE IN INCHES	
TOLERANCES ON: APPROVED D. Weil	
DECIMALS .XXX ± .005 FRACTIONS ± 1/32	
XX ± .01 ANGLES ± .5°	
X ± .1	
HEAT TREAT	
FINISH CLEAR ANODIZE	
SPEC MIL-A-8625F, TYPE II, CLASS I	
USED ON MODEL	
MD 500	
SCALE NTS	DATE 9-11-06
SHEET 3 of 4	

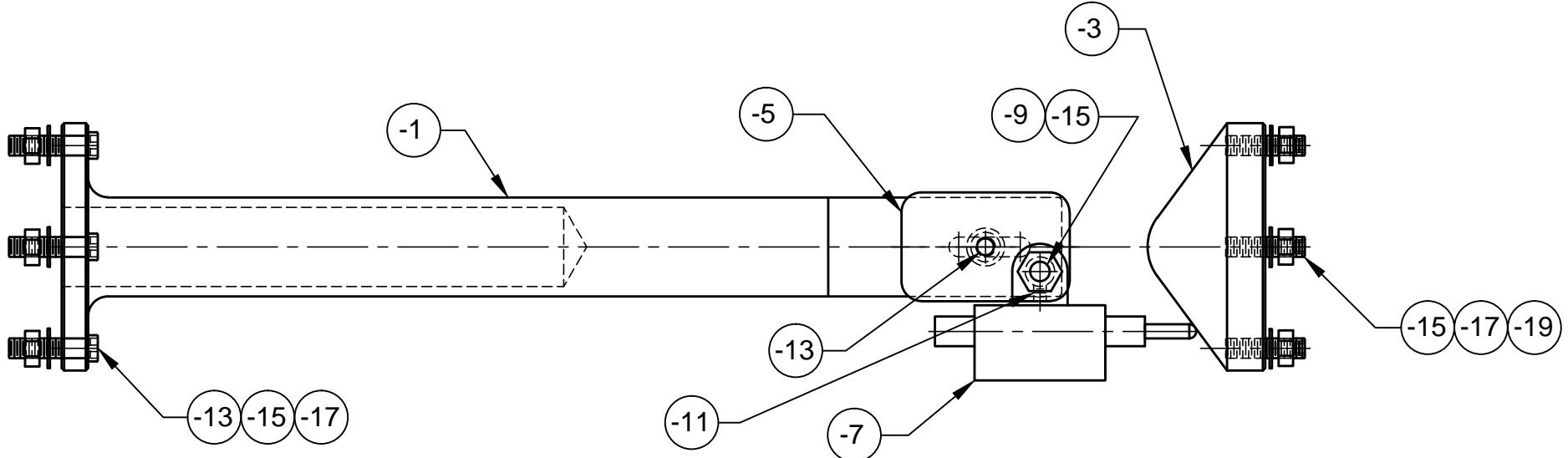
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REV		DESCRIPTION		DATE	INITIAL	APPROVED



RB RED BARN MACHINE	
TITLE	
ENG. TO TRANS. ALIGN TOOL	
DWG NO. RBA5000-40101-5 REV 3	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 XX ± .01 ANGLES ± 5° X ± .1	
DRAWN BY: PERRITT APPROVED <i>D. Weil</i> HEAT TREAT FINISH BLACK OXIDE SPEC USED ON MODEL MD 500	
SCALE	NTS
DATE	9-11-06
SHEET	4 of 4

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ASSEMBLY

RED BARN MACHINE		
TITLE		
ENG. TO TRANS. ALIGN TOOL		
DWG NO.		
RBA5000-40101		
PART #	UNIT QTY	DESCRIPTION
-1	1	INDICATOR EXTENSION ROD
-3	1	TESTING CONE
-5	1	INDICATOR SLIDE
-7	1	DIAL INDICATOR
-9	1	S.H. CAP SCREW
-11	1	S.H. SET SCREW
-13	5	S.H. CAP SCREW
-15	9	PLATED NUTS
-17	9	PLATED WASHERS
-19	4	S.H. SET SCREWS

REVISIONS			
REV	DESCRIPTION	DATE	APPROVE

PART #	QTY	DESCRIPTION	USED ON MODEL	DRAWN BY: PERRITT	APPROVED	HEAT TREAT	FINISH SPEC	RB	RED BARN MACHINE	TITLE	DWG NO.	PT #	RI	
--	--	-	?				--							
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX \pm .005 .XX \pm .01 .X \pm .1			FRACTIONS \pm 1/32 ANGLES \pm 5°							
				UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. .015 R			2. DIMENSIONAL LIMITS APPLY AFTER PLATING				SCALE NTS	DATE 2-17-06	SHEET 1 of 3	

NOT APPROVED FOR PRODUCTION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

PART #	QTY	DESCRIPTION
-1	1	4140 3/16 x 1 1/2 x 4

DRAWN BY: PERRITT	TITLE	RED BARN MACHINE
CHECKED		
HEAT		
TREAT		
FINISH SPEC		
USED ON MODEL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
?	TOLERANCES ON: DECIMALS .XXX \pm .005 FRACTIONS \pm 1/32 .XX \pm .01 ANGLES \pm 5° .X \pm .1	
	UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 0.015 x 45° PR. 0.015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
	DWG NO.	
SCALE NTS	PART # 1-28-06	REV. 1 of 1